

Appl. No. 10/750,588
Amdt. dated September 15, 2005
Reply to Office action of July 5, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) A non-contact voltmeter comprising:
 - a source of power;
 - a transformer engaged to the power source;
 - an on/off switch engaged between the power source and transformer;
 - a terminal strip;
 - an antenna engaged to an input terminal of the terminal strip;
 - an earth ground engaged to a ground terminal of the terminal strip;
 - a space charge tube comprising a plurality of grids and a plate;
 - the input terminal of the terminal strip being engaged to one grid of the tube;
 - a meter engaged to the plate of the space charge tube;
 - a gas discharge tube engaged to an input of the tube;
 - a vacuum the tube operating at substantially reduced cathode temperature and electron emission, whereby voltages or by inference other related quantities or qualities are measured in real time using only the naturally occurring voltage and conductivity present as a grid control source.
6. (Cancelled)

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7. (Currently Amended) ~~A non-contact voltage amplifying circuit comprising a vacuum~~ The voltmeter of claim 5 wherein the tube is operated at substantially reduced cathode temperature and electron emission the sole direct current path for electron communication between the control grid and the return side of the circuit being provided by the subject to be measured.
8. (Currently Amended) ~~A voltmeter comprising a vacuum tube voltage amplifying circuit with the said vacuum~~ The voltmeter of claim 5 wherein the tube is operated at substantially reduced cathode temperature and electron emission, utilizing only the conductivity of the subject to be measured to provide the grid control source, said circuit components being arranged to develop a voltage for indication by a meter. or produce a control voltage.
9. (New) The voltmeter of claim 5 further including a heater resistor connected to a heater of the space charge tube.
10. (New) The voltmeter of claim 5 further including a screen resistor connected to the grid of the space charge tube.
11. (New) The voltmeter of claim 5 further including a voltage dropping resistor connected to the screen resistor and the heater resistor of the space charge tube.
12. (New) The voltmeter of claim 5 wherein the source of power is an alternating current.
13. (New) The voltmeter of claim 5 wherein the source of power is a direct current.
14. (New) The voltmeter of claim 5 wherein the gas discharge tube is a neon tube.

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FEE STATEMENT

No additional fee is due because the number and type of newly added claims are the same as the number and type of originally presented, but now cancelled claims. Nevertheless, an appropriate authorization to charge or credit the deposit account of applicant's attorney is enclosed in the required duplicate original form -- to be used if necessary.

ACKNOWLEDGMENT OF INTERVIEW

Applicants gratefully acknowledge the telephone interview granted by the examiner to their newly appointed attorney. This application is now no longer a pro se application. It is hoped that this amendment complies with both the spirit and the letter of that interview.